

SRFB General Application Information

Project Name Five Mile Creek LWD

Project Types: Habitat Restoration and Barrier Removal

- | | | | |
|--------------------------------------|--|---|--|
| <input type="checkbox"/> Acquisition | <input type="checkbox"/> Estuarine/Nearshore | <input checked="" type="checkbox"/> Riparian | <input checked="" type="checkbox"/> Passage, Diversion, Barrier Inventory/Design |
| <input type="checkbox"/> Non-Capital | <input type="checkbox"/> Upland | <input checked="" type="checkbox"/> In-Stream | |

Applicant / Organization Information

Organization Name Mason Conservation District

Organization Type (check one)

- | | | |
|---|--|---|
| <input type="checkbox"/> City/Town | <input type="checkbox"/> County | <input checked="" type="checkbox"/> Conservation District |
| <input type="checkbox"/> Native American Tribe | <input type="checkbox"/> Non-profit Organization | <input type="checkbox"/> RFEG |
| <input type="checkbox"/> Special Purpose District | <input type="checkbox"/> State Agency | |

Organization Address

Address 450 West Business Park Road

City/Town Shelton

State, Zip WA 98584

Telephone # (360) 427-9436 x18

FAX # (360) 427-4396

Internet e-mail address rjgeiger@masoncd.org

Website URL www.masoncd.org

Project Contact Information

Complete one for each contact.

☒ Mr. ☐ Ms.

Title District Engineer

First Name Richard

Last Name Geiger

☒ Primary Contact OR ☐ Alternate Contact

Contact Mailing Address

Address MCD, 450 West Buisness Park Rd

Work Telephone #(360) 427-9436 x18

City/Town Shelton

FAX # (360) 427-4396

State, Zip WA 98584

Internet e-mail address rjgeiger@masoncd.org

Application Questionnaire

All applicants must answer the following questions.

Cost Efficiencies

For any grants listed in the Summary of Funding Request and Match Contribution Section, are there any restrictions on the use of these grant funds? When and how long will the grant funds be available to this project?

Community Salmon Funds and NRCS WHIP funds have been awarded for this project and must be matched by a non-federal source. Both funds are available for the project through 2009.

Describe the type of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Summary of Funding Request and Match Contribution Section.

Landowner is also a restoration project contractor, and will provide skilled labor

Land Ownership

What type of landowner currently owns the property? (Federal, Local, Private, State or Tribal.)

Local

What is the current land use of the site, and its history? Describe past human uses and salmon habitat functions. Are there any structures on site?

Rural Residential, Homes and outbuildings located well away from the shore. Primary habitat function is to provide off-channel refuge & rearing habitat from S. Fork Skokomish River in cool, groundwater-fed 5 Mile Creek.

Worksite Location Data

What are the geographic coordinates of the work site(s) (in degrees, minutes, and seconds)? [If you do not have them, you may leave this question blank.]

N47.32189, W123.26031

What is the township/range/section of the work site(s)?

In what county(s) is the work site(s) located? In what city, if applicable?

Mason

In what Water Resource Inventory Area(s) (WRIA) is the work site located? (Provide WRIA name and WRIA number.)

Hood Canal, WRIA 16

Is the work site on a stream and/or other waterbody? If yes, name the stream and/or waterbody. If the

stream is a tributary of a larger stream, also name the larger stream. If you know the river mile, list it here.
S. Fork Skokomish River, R.M. 5

Is your work site(s) located within estuarine or saltwater habitat? If so, name it. How close is it to fresh water systems? Name any other estuary or habitat adjacent to this site.

No

Is the work site(s) located within a park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area.

No

Current Landowner(s) of the site (name and address). Remember to complete the Landowner Willingness Form.

Charles Toal, W5040 Skokomish Valley Road, Shelton, WA 98584

Driving Directions (provide directions that will enable staff to locate the project):

From Shelton, take US Hwy 101 North approx. 4 miles to Skokomish Valley. Turn left on Skokomish Valley Road at George Adams Hatchery. Proceed West on Skokomish Valley for approximately 5.1 miles. Turn Right at local driveway marked with "Toal" on fish-shaped sign. Proceed on driveway, make right turn and travel about 600' to Toal residence.

Non-profit organizations must answer the following questions.

Is your organization registered as a non-profit with the Washington Secretary of State? If so, what is your Unified Business Identifier (UBI) number?

91-6101736

What date was your organization created?

1956

How long has your organization been involved in salmon and habitat conservation?

Since 1956

Short Description of Project

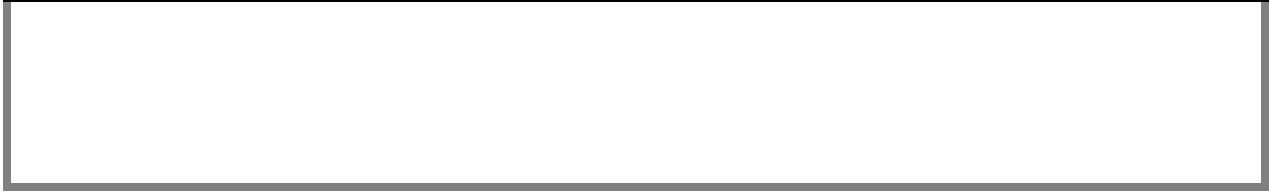
Describe project, what will be done, and what the anticipated benefits will be in 1500 characters or less.

NOTE: Many audiences, including the SRFB, SRFB's Technical Review Panel, media, legislators, and the public who may inquire about your project use this description. Provide as clear, succinct, and descriptive an overview of your project as possible – many will read these 1-2 paragraphs!

The description should state what is proposed. Identify the specific problems that will be addressed by this project, and why it is important to do at this time. Describe how, and to what extent, the project will protect, restore, or address salmon habitat. Describe the general location, geographic scope, and targeted species/stock. This short description should be the summary of the detailed proposal set out under the Evaluation Proposal, with particular emphasis on questions 1-4.

The database limits this space to 1500 characters (including spaces); any excess text will be deleted.

This is a project to place about 320' of LWD on the right bank of the 5-Mile Creek/Skokomish South Fork confluence to maintain stream connectivity and provide covered habitat for endangered Salmon, Steelhead and Bull Trout, especially during summer low-flow periods. The project is comprised of a series of four log jams that will be anchored by buried LWD stems and tied to the stream bank. They will be placed strategically to maintain summer low-flow access from the Skokomish South Fork to 5-Mile Creek. Temperature surveys reveal S. Fork summer water temperatures are too high, causing stress for fish, while 5-Mile Creek ground-fed waters remain cool. However, the mouth of 5-Mile Creek is normally blocked by sediment during summer low-flows. LWD placement at the stream mouth will cause scour to maintain access between the S. Fork and 5-mile Creek. Also, Hood Canal Coordinating Council's (HCCC) Salmon Habitat Recovery Strategy identifies lack of LWD as a limiting factor in the Skokomish South Fork. The HCCC Recovery Strategy also recommends placement of LWD and logjams for reconnection of freshwater off-channel habitat and restoring channel habitat complexity. In extreme flow conditions, endangered fish species become trapped in areas that are not connected to the main river channels. This project will correct this condition at the mouth of 5-Mile Creek. HCCC Salmon Recovery Strategies cited include v3-2004 and v9.2005.



Salmonid Species Information

Identify one or more targeted Salmonid species (directly on-site, indirectly down stream or within the rearing/migration corridor) whose habitat conditions you are attempting to improve or protect.
Select one Primary Species.

Salmonid Species	Species Targeted (select as many as apply)	Primary Species (select only one)
Bull Trout	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chinook	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chum	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coho	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cutthroat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pink	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sockeye	<input type="checkbox"/>	<input type="checkbox"/>
Steelhead	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Habitat Factors Addressed

Identify one or more Habitat Factors being addressed by this Project and select one Primary Factor.

Habitat Factors	Project Addresses (select as many as apply)	Primary Factor (select only one)
1. Biological Processes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Channel Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Estuarine and Near-shore Habitat	<input type="checkbox"/>	<input type="checkbox"/>
4. Floodplain Conditions	<input type="checkbox"/>	<input type="checkbox"/>
5. Lake Habitat	<input type="checkbox"/>	<input type="checkbox"/>
6. Loss of Access to Spawning and Rearing Habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Riparian Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Streambed Sediment Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Water Quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Water Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Species/Habitat Factors Information Sources

For Species Information provide the source and indicate if the species listed are directly on-site at some point in their life stage (i.e. SaSI, WDFW Stream Catalog, Stream Survey/Field Observation, Limiting Factors Distribution Maps).

For Habitat Factors Information list the study/report and date identifying the habitat factors for your project (i.e. SaSI, limiting factors analysis, watershed analysis, other assessments, or studies).

Study Name	Author	Date
WDFW Stream Catalog	WDFW	1975
Skok. Salmon Habitat Recovery Strategy	HCCC	3-2004 and 9-2005

Summary of Funding Request and Match Contribution

Remember to update this section whenever changes are made to your cost estimates.

TOTAL PROJECT COST (A + B)

(Sponsor Match & SRFB Contribution)

\$89,476

A. Sponsor Match Contribution (15% minimum is required for match)

Appropriation/Cash	\$
Bonds - Council	\$
Bonds - Voter	\$
Cash Donations	\$
Conservation Futures	\$
Donations	
Donated Equipment	\$
Donated Labor	\$
Donated Land	\$
Donated Materials	\$
Donated Property Interest	\$
Force Account	
Force Acct - Equipment	\$
Force Acct - Labor	\$
Force Acct - Material	\$
Grants*	
Grant - Federal	\$ 59,476
Grant - Local	\$
Grant - Private	\$
Grant - State	\$
Grant - IAC	\$
Grant - Other	\$

Total Sponsor Match Contribution

\$59,476

15% Minimum Match Required
of A. TOTAL PROJECT COST

B. SRFB Contribution (grant request)

\$30,000

\$5,000 Minimum Request

***Note, be sure to identify the name and type of any matching grant in the Application Questionnaire Section.**

Note: The Total Project Cost must equal the totals from the following Cost Estimate Sections.

Permits

Check the appropriate boxes to indicate required and/or anticipated permits.
General permit information can be obtained at the Dept. of Ecology Permit Assistance Center 1-800-917-0043 or on their Internet site <http://www.ecy.wa.gov/programs/sea/pac/index.html>.

Permits	Comments Regarding Permit Status
<input type="checkbox"/> Aquatic Lands Use Authorization <i>(Dept of Natural Resources)</i>	
<input type="checkbox"/> Building Permit <i>(City/ County)</i>	
<input type="checkbox"/> Clear & Grade Permit <i>(City/ County)</i>	
<input checked="" type="checkbox"/> Cultural Assessment [Section 106] <i>(CTED-OAHP)</i>	Being processed by NRCS
<input checked="" type="checkbox"/> Dredge/Fill Permit [Section 10/404 or 404] <i>(US Army Corps of Engineers)</i>	Being processed by NRCS
<input checked="" type="checkbox"/> Endangered Species Act Compliance [ESA] <i>(US Fish & Wildlife/NMFS)</i>	Being processed by NRCS
<input type="checkbox"/> Forest Practices Application [Forest & Fish] <i>(Dept of Natural Resources)</i>	
<input type="checkbox"/> Health Permit <i>(Dept of Health/ County)</i>	
<input checked="" type="checkbox"/> Hydraulics Project Approval [HPA] <i>(Dept of Fish & Wildlife)</i>	Streamlined HPA issued September 16, 2004.
<input checked="" type="checkbox"/> NEPA <i>(Federal Agencies)</i>	Being processed by NRCS
<input checked="" type="checkbox"/> SEPA <i>(Local or State Agencies)</i>	Exempt w/ Streamlined HPA
<input checked="" type="checkbox"/> Shoreline Permit <i>(City/ County)</i>	Exempt w/ Streamlined HPA
<input checked="" type="checkbox"/> Water Quality Certification [Section 401] <i>(County/ Dept of Ecology)</i>	Being processed by NRCS
<input type="checkbox"/> Water Rights/Well Drilling Permit <i>(Dept of Ecology)</i>	
<input type="checkbox"/> Other Required Permits (identify)	
<input type="checkbox"/> None – No permits Required	

Restoration Cost Estimate ~ In-Stream

IN-STREAM HABITAT includes those freshwater items that affect or enhance fish habitat below the ordinary high water mark of the water body. Items include work conducted on or next to the channel, bed, bank, and floodplain by adding or removing rocks, gravel, or woody debris. Other items necessary to complete the project may include livestock fencing, water conveyance, and plant removal and control.

Complete only items that apply to your project.

TOTAL COST must include the SRFB and Sponsor's Match Contribution.

Use only whole dollar amounts.

Item	Unit	Qty.	Total Cost	Description Needed	Description (60 characters max.)
Bank stabilization	Linear ft			Describe	
Carcass placement	Linear ft			Describe	
Channel connectivity	Linear ft			Optional	
Channel reconfiguration	Linear ft			Describe	
Complex log jams	Each	4	77410	Optional	40' log jams w/ 3' DBH stems & 2 ea 20' LWD buried anchors
Deflectors/barbs	Each			Optional	
Dike removal/setback	Linear ft			Optional	
Livestock fencing	Linear ft			Material	
Log control (weir)	Each			Optional	
Off-channel habitat	Acres			Describe	
Permits	Lump sum			Optional	
Plant removal/control	Acres			Optional	
Riparian plant installation	Sq ft			Describe	
Riparian plant materials	Each			Describe species	
Rock control (weir)	Each			Optional	
Roughened channel	Linear ft			Describe	
Signage	Each			Describe	
Site maintenance	Lump sum			Describe	
Spawning gravel placement	Sq yds			Optional	
Wetland restoration	Acres			Describe	
Woody debris placement	Each	4	77410	Describe	
Sales Tax	\$6425				
Sub-Total	\$83835				
Architecture, Engineering, & Admin. (30% of Sub-Total)	\$5641				
TOTAL COSTS	\$89,476				

Goal and Objective and Measurements In-Stream Habitat (Restoration projects only)

Select one goal and one objective that best fits your project
and respond to the measurements for that goal and objective.

Goal: The goal of the project is to connect isolated freshwater instream habitat to increase the range and distribution of salmon.	<input checked="" type="checkbox"/>
Objective: The objective of the project is to increase access to side channels, oxbows, and other channels.	
Measurement: Amount of artificial wetland area created? [Acres of artificial wetland proposed to be created and actually created from an area not formerly a wetland.]	Acres
Measurement: Amount of wetland area of invasive species treated? [The acreage of invasive species proposed for treatment and actually treated in the wetland project. The proposed project area may only be a portion of an existing wetland such as removing an area of purple loosestrife.]	Acres
Measurement: Amount of wetland area treated? [Acres of wetland proposed for treatment and actually treated. Note: Include acres of invasive species proposed for treatment or treated.]	Acres
Measurement: Average stream width, in feet, upstream of barrier. [Report the average width of the stream upstream from the barrier.]	10 Average width in feet
Measurement: Length of stream section treated (one side only)	0.6 Miles
Measurement: Length of streambank treated for stabilization (If both sides, add lengths)	
Measurement: Percent rearing habitat opened up? [Report the percent of rearing habitat that is being opened up as a result of this project.]	100% Rearing
Measurement: Percent spawning habitat opened up? [Report the percent of spawning habitat that is being opened up as a result of this project.]	100% Spawning
Goal: The goal of the project is to improve instream morphology and habitat in salmon bearing streams.	<input type="checkbox"/>
Objective: The objective of the project is to increase instream cover, spawning, and resting areas.	
Measurement: Length of instream habitat treated, except for bank stabilization? [This refers to meander miles of instream habitat treatments, except for bank stabilization treatments. Count actual stream length treated.]	Miles
Measurement: Length of stream bank protected through land acquisition/easement/lease (If both sides add lengths)	Miles
Measurement: Length of stream section treated (one side only)	Miles
Measurement: Length of streambank treated for stabilization? [The number of miles of streambank stabilization treatment. Add length treated on both sides when both sides are stabilized. Add one side when one side is treated.]	Miles
Goal: The goal of the project is to protect and restore freshwater instream channel meander migration patterns.	<input type="checkbox"/>
Objective: The objective of the project is to protect and restore flood plain meander functions, sediment transport functions, dissipation, and water storage.	

Measurement: Amount of estuarine/freshwater area created? [Acres of artificial estuary proposed for creation and actually created from an area not formerly saline.]	Acres
Measurement: Amount of estuarine/freshwater area of invasive species treated? [The acreage of invasive species proposed for treatment and actually treated in an estuary. A treatment may only be for a portion of an estuary such as removal of Spartina.]	Acres
Measurement: Amount of estuarine/freshwater area treated? [Acres of estuary proposed for treatment and actually treated. Note: Include creation of estuarine wetlands.]	Acres
Measurement: Average stream width, in feet, upstream of barrier [Report the average width of the stream upstream from the barrier.]	Average width in feet
Measurement: Length of instream habitat treated, except for bank stabilization. (One side only)	Miles
Measurement: Length of stream section treated (one side only)	Miles
Measurement: Length of stream bank protected through land acquisition/easement/lease (If both sides add lengths)	Miles
Measurement: Length of streambank treated for stabilization. (If both sides, add lengths)	Miles
Measurement: Percent rearing habitat opened up? [Report the percent of rearing habitat that is being opened up as a result of this project.]	% Rearing
Measurement: Percent spawning habitat opened up? [Report the percent of spawning habitat that is being opened up as a result of this project.]	% Spawning

Instream Habitat Projects Application Materials Checklist Application Materials must be submitted for each project on the lead entity list.			
Available in PRISM	✓	Item	Section
✓		General Application Information	Section 2
✓		Applicant / Organization Information	Section 2
✓		Project Contact Information	Section 2
✓		Application Questionnaire (cost efficiencies, land ownership, worksite location)	Section 2
✓		Short Description of Project	Section 2
✓		Salmonid Species Information	Section 2
✓		Habitat Factors Addressed	Section 2
✓		Species/Habitat Factors Information Sources	Section 2
✓		Summary of Funding Request and Match Contribution	Section 2
✓		Permits	Section 2
Attach		Project Partnership Contribution Form	Section 2
Attach		Landowner Willingness Form	Section 2
✓		Instream Specific Forms	Section 8
✓		Instream Habitat Cost Estimate	Section 8
Attach		Evaluation Proposal	Section 8
✓		Instream Goals and Objectives	Section 8
		Instream Habitat Projects Checklist	Section 8
Attach		Maps (general vicinity & work site)	Applicant Creates
Attach		Project Photos	Applicant Creates
Attach		Other Materials (optional)	Applicant Creates

✓ - Items with a check mark can be entered directly into PRISM. Items marked “Attach” can be attached as document in PRISM, however if this is not possible, documents can be mailed to the IAC Office.